

Compositions and Methods for Use in Recombinational Cloning of Nucleic Acids

ABSTRACT

5 The present invention relates generally to compositions and methods for
use in recombinational cloning of nucleic acid molecules. In particular, the
invention relates to nucleic acid molecules encoding one or more recombination
10 sites or portions thereof, to nucleic acid molecules comprising one or more of
these recombination site nucleotide sequences and optionally comprising one or
more additional physical or functional nucleotide sequences. The invention also
relates to vectors comprising the nucleic acid molecules of the invention, to host
cells comprising the vectors or nucleic acid molecules of the invention, to methods
15 of producing polypeptides using the nucleic acid molecules of the invention, and
to polypeptides encoded by these nucleic acid molecules or produced by the
methods of the invention. The invention also relates to antibodies that bind to one
or more polypeptides of the invention or epitopes thereof. The invention also
relates to the use of these compositions in methods for recombinational cloning
20 of nucleic acids, *in vitro* and *in vivo*, to provide chimeric DNA molecules that
have particular characteristics and/or DNA segments.